

Vermont Mental Health Performance Indicator Project

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MEMORANDUM

TO: Vermont Mental Health Performance Indicator Project
Advisory Group and Interested Parties

FROM: John Pandiani and Sheila Pomeroy

DATE: May 4, 2001

RE: Time in Restraint at the Vermont State Hospital

Two weeks ago we distributed a brief report on the number of Vermont State Hospital patients who were restrained during 1991 through 2000 (overall, by gender, and by age). This was one of the indicators of mental health system performance required by the Sixteen State Performance Indicator Project. The Sixteen State Performance Indicator Project also requires measures of the amount of time spent in restraint. This week's PIP examines the amount of time spent in restraint during this same time period (overall, by gender, and by age).

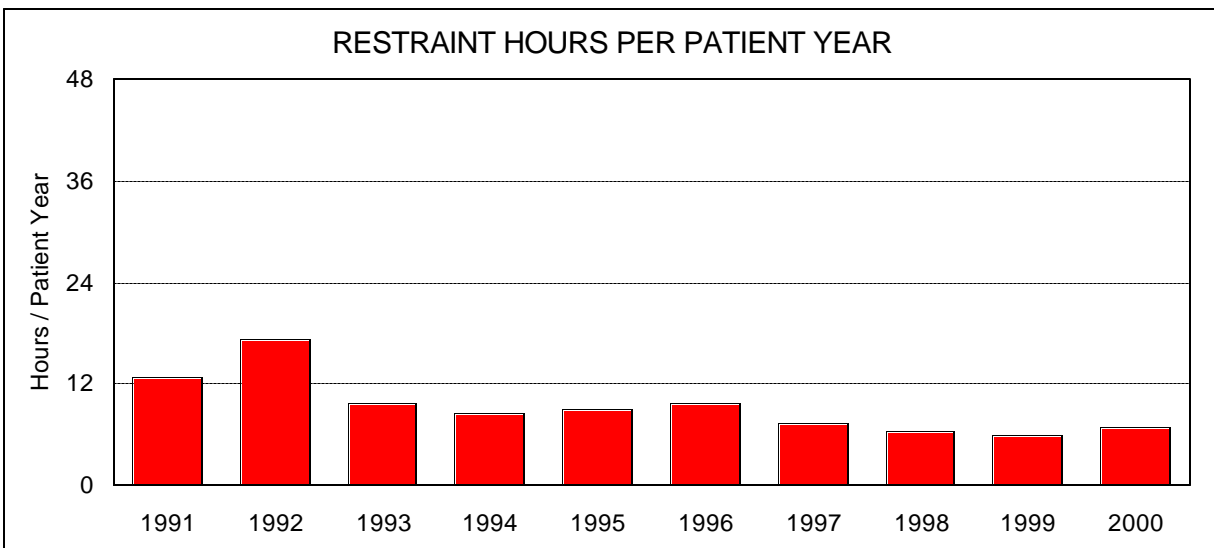
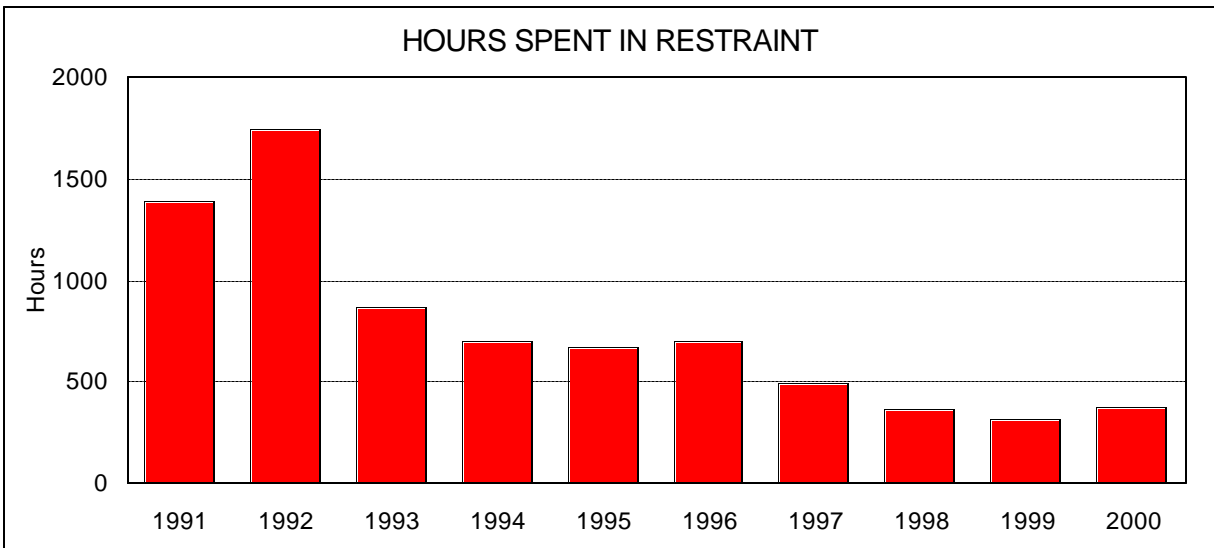
As you will see, the amount of time spent in restraint (hours per patient year) ranged from more than 17 hours in 1992 to less than 7 hours in 1998 through 2000. These levels are similar to the hours spent in seclusion reported last week.

Our first report on the use of restraint at VSH noted that there were no consistent differences in the rate at which men and women were restrained, but that younger patients were more likely than older patients to be restrained. The attached tables indicate that female patients spent substantially more time than male patients in restraint in nine out of the ten years. Younger patients spent substantially more time than older patients in restraint during seven of the ten years (there was no substantial difference for the other three years).

The difference between the genders that is noted for restraint is consistent with differences noted last week for seclusion. We look forward to your thoughts about these differences. As always, you can reach us at 802-241-2638 or jpandiani@ddmhs.state.vt.us.

VERMONT STATE HOSPITAL

DURATION OF TIME IN RESTRAINT: FY 1991 - FY 2000

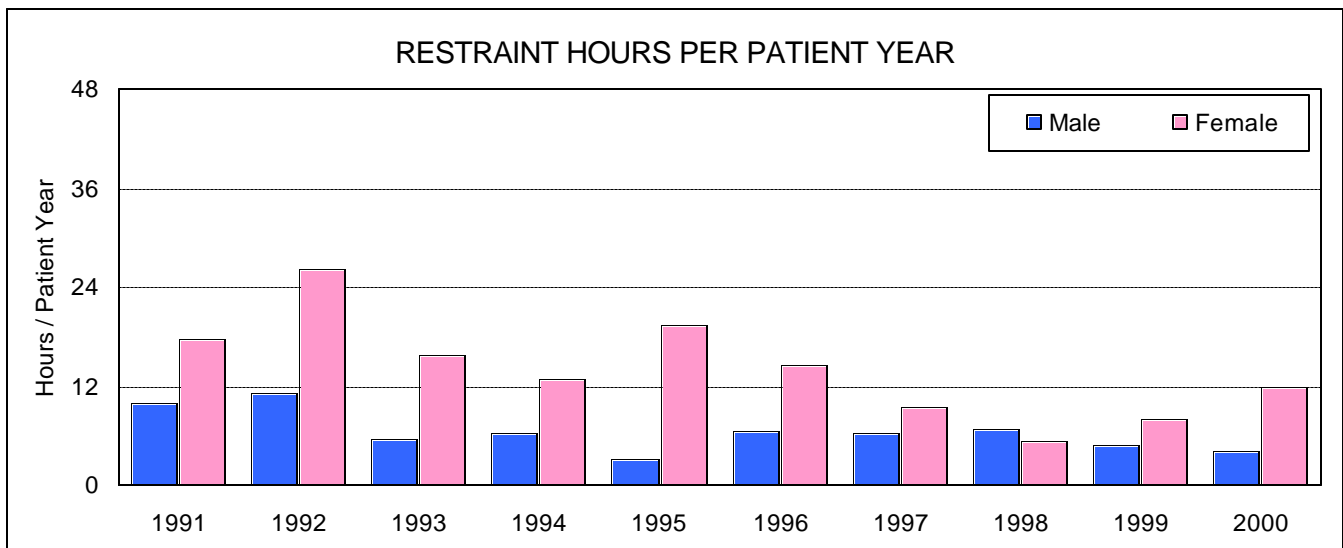
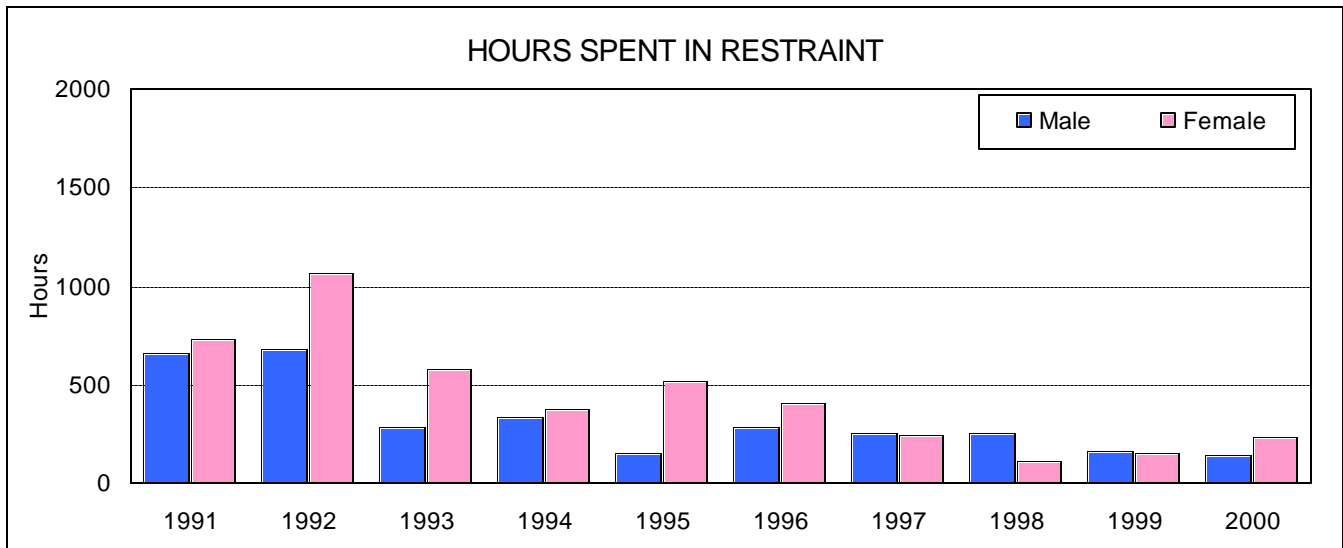


FY	Total Patient Years	Hours in Restraint	Hours Per Patient Year
2000	55.0	379.2	6.9
1999	52.7	313.3	5.9
1998	57.4	364.8	6.4
1997	66.2	492.5	7.4
1996	71.4	695.9	9.7
1995	73.7	667.2	9.1
1994	81.5	703.0	8.6
1993	89.3	869.1	9.7
1992	101.7	1747.2	17.2
1991	107.8	1386.9	12.9

Based on analysis of Vermont State Hospital Data Bases. A patient year is equivalent to 365 days in residence at the Vermont State Hospital.

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Duration of Time in Restraint for Males and Females: FY 1991 - FY 2000

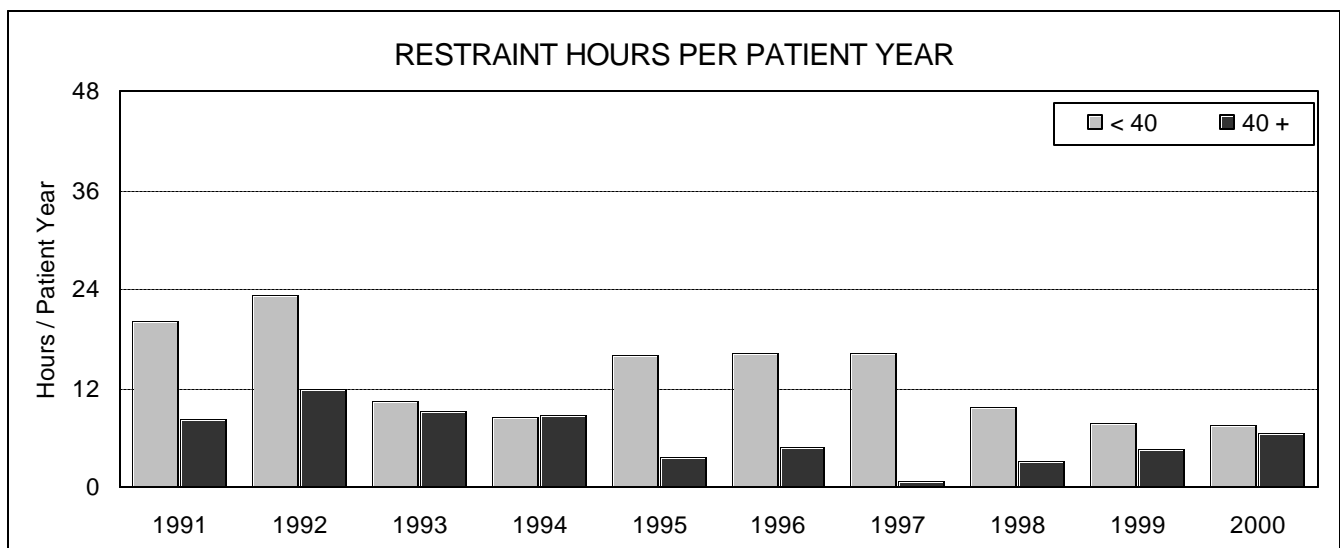
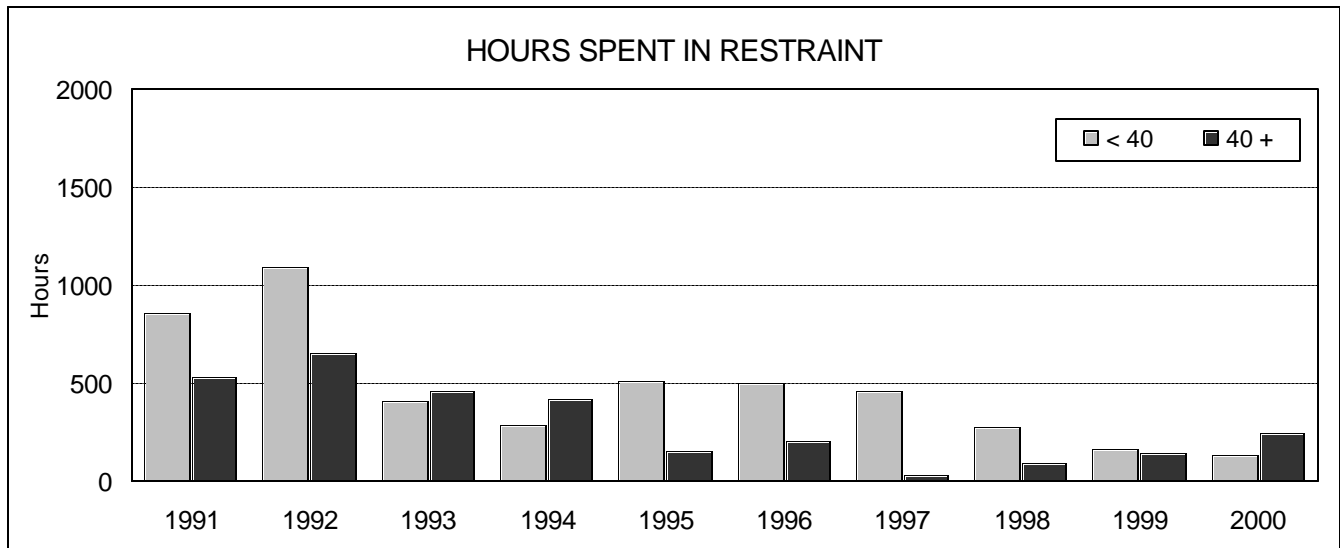


FY	Males			Females		
	Patient Years	Restrained		Patient Years	Restrained	
		Hours	Hrs/Patient Year		Hours	Hrs/Patient Year
2000	35.3	145.4	4.1	19.7	233.8	11.9
1999	34.3	165.2	4.8	18.4	148.0	8.0
1998	37.4	257.2	6.9	20.0	107.6	5.4
1997	40.7	252.0	6.2	25.5	240.4	9.4
1996	43.0	285.6	6.6	28.4	410.3	14.5
1995	47.0	150.9	3.2	26.7	516.3	19.3
1994	52.5	330.0	6.3	28.9	373.0	12.9
1993	52.6	288.4	5.5	36.7	580.8	15.8
1992	61.2	681.0	11.1	40.6	1066.2	26.3
1991	66.4	657.6	9.9	41.5	729.4	17.6

Based on analysis of Vermont State Hospital Data Bases. A patient year is equivalent to 365 days in residence at the Vermont State Hospital.

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Duration of Time in Restraint for Patients Under 40 and 40 Years and Older: FY 1991 - FY 2000



FY	Less than 40			40 and Older		
	Patient Years	Restrained		Patient Years	Restrained	
		Hours	Hrs/Patient Year		Hours	Hrs/Patient Year
2000	17.6	133.0	7.6	37.3	246.2	6.6
1999	21.2	165.5	7.8	31.5	147.8	4.7
1998	27.8	272.6	9.8	29.6	92.3	3.1
1997	28.7	463.1	16.1	37.5	29.3	0.8
1996	30.4	495.9	16.3	41.0	200.0	4.9
1995	32.1	513.3	16.0	41.6	154.0	3.7
1994	34.1	288.1	8.5	47.4	414.9	8.8
1993	39.3	410.3	10.4	50.0	458.8	9.2
1992	47.0	1,096.2	23.3	54.8	651.0	11.9
1991	42.4	855.0	20.1	65.4	531.9	8.1

Based on analysis of Vermont State Hospital Data Bases. A patient year is equivalent to 365 days in residence at the Vermont State Hospital.